

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as shown below. A complete listing of the claims set forth below.

1-37 (Cancelled)

38. (Currently amended) A ~~non-naturally-occurring~~ composition comprising:  
a recombinant Tankyrase H protein; and  
a source of ADP ribose;

wherein said composition recombinant Tankyrase H protein exhibits poly-ADP ribose polymerase activity and has an amino acid sequence that is at least 95% identical to the entire contiguous sequence of SEQ ID NO:3 or SEQ ID NO:4.

39. (Currently amended) The composition of claim 38, further comprising:  
a test-candidate bioactive agent.

40. (Currently amended) The composition of claim 39, ~~claim 38~~, wherein said test candidate bioactive agent is an organic molecule of less than 2,500 Da.

41. (Currently amended) The composition of claim 39, ~~claim 38~~, wherein the test candidate bioactive agent is a peptide.

42. (Previously presented) The composition of claim 38, wherein said composition is a cellular composition comprising cells comprising:  
a recombinant nucleic acid encoding said Tankyrase H protein.

43. (Previously presented) The composition of claim 38, wherein said Tankyrase H protein is a fusion protein.

44. (Currently amended) The composition of claim 42, ~~claim 38~~, wherein said cells are eel ~~is a mammalian eel~~ cells.

45. **(Withdrawn)** A method of using the composition of claim 38, comprising:  
contacting the composition of claim 38 with a test agent; and  
determining any effect of said test agent on said poly-ADP ribose polymerase activity.
46. **(Withdrawn)** The method of claim 45, wherein said test agent is an organic molecule of less than 2,500 Da.
47. **(Withdrawn)** The method of claim 45, wherein the test agent is a peptide.